

IN THE CLAIMS:

The following is a complete list of the claims now pending. This listing replaces all earlier versions and listings of the claims.

D Claim 1 (currently amended): A device for determining conditions for processing to be ~~carried-out~~ performed on [[data]] a document in a file, by at least one input/output means which modulates a physical quantity, comprising:

means for ~~determining~~ analyzing content of the [[data]] document in the file to determine values for characteristics of a list of characteristics of the document, wherein the determined values comprise at least a proportion of text, a proportion of image, and a proportion of graphics zones in the document; and

~~pilot~~ configuration determination means adapted, without modifying the [[data]] document, to take into account the ~~content of the data in the file for determining values for the characteristics of the list of characteristics of the document to determine~~ a configuration of [[the]] a pilot of the input/output means designated to implement the document processing.

Claim 2 (currently amended): [[The]] A device according to claim 1, wherein:

the document processing is ~~carried-out~~ performed by at least two input/output means~~[[,]]~~; and

the pilot configuration, determined ~~used~~ by the pilot configuration determination means, includes selection of the input/output means intended to ~~implement~~ perform the document processing.

Claim 3 (currently amended): [[The]] A device according to claim 1 including further comprising:

dialogue means for ~~dialoguing with a user adapted to transmit~~ transmitting questions to [[the]] a user and ~~to receive~~ receiving information from the user in response to the transmitted questions; and

means for adding the information received in response from the user to the values for the characteristics of the list of characteristics, in such a manner that said configuration determination means takes into account the added information to determine the pilot configuration.[[,]]

~~wherein the pilot configuration determination means is also adapted to take into account the information received in response from the user in order to determine the pilot configuration.~~

Claim 4 (currently amended): [[The]] A device according to claim 3, including further comprising a memory adapted to store the added information received in response to the transmitted questions from the user.

Claim 5 (currently amended): [[The]] A device according to claim 4, wherein said memory is adapted to also store, associated with each item of added information received in response to the transmitted questions from the user, an item of information ~~representing~~ identifying the user who supplied [[it]] each item of the added information.

Claim 6 (currently amended): [[The]] A device according to claim 4, wherein said memory is adapted to also store, associated with each item of the added information received in response to the transmitted questions from the user, an item of information representing ~~a concerned~~ the document.

Claim 7 (currently amended): [[The]] A device according to claim 1, including further comprising pilot updating means adapted for[[:]]
~~on the one hand to detect~~ detecting that [[a]] the pilot configuration of the input/output means, intended to ~~implement~~ perform the document processing, is not available or is not up to date in a memory, and
~~on the other hand,~~ to read the pilot configuration in another memory when the pilot configuration of the input/output means, intended to perform the document processing, is either not available or is not up to date in the memory.

Claim 8 (currently amended): [[The]] A device according to claim 1, including further comprising:

means for checking ~~[[an]]~~ availability of the input/output means which is adapted to transmit an item of information representing unavailability for the identifying that document processing is not available of the data, when the input/output means, intended to perform the document processing, ~~process the data~~ is not available for this purpose~~[[; and]]~~,

wherein the pilot configuration determination means is adapted to take into account the unavailability information regarding the unavailability of document processing in the input/output means in order to determine a configuration of another input/output means for implementing performing the document processing of the data.

D
Claim 9 (currently amended): A device ~~according to claim 1 wherein the means for determining the contents of the data takes into account each of at least two quantities related to the data~~ for determining conditions for processing a document in a file by at least one input/output means which uses a physical quantity, said device comprising:

estimation means for estimating value amounts of the presence of text, image and graphics zones in the document; and

configuration determination means, adapted to take into account the value amounts of the estimated presence of text, image, and graphics zones in the document, for determining a pilot configuration of the input/output means intended to perform the document processing.

Claims 10-13 (canceled)

Claim 14 (currently amended): ~~The~~ A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein one of the quantities ~~represents~~ is a number of pages in ~~[[a]] the document represented by the data.~~

Claim 15 (currently amended): A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein one of the quantities ~~represents~~ is a number of digital information items in the ~~[[data]]~~ document.

DI
Claim 16 (canceled)

Claim 17 (currently amended): A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein one of the quantities ~~represents~~ is a degree of compression to be obtained on the ~~[[data]]~~ document using a predetermined compression software.


Claim 18 (currently amended): ~~[[The]]~~ A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein one of the quantities ~~represents~~ is a period of

time necessary for ~~compression of the data~~, by compressing the document using a
predetermined compression software.

Claim 19 (currently amended): ~~[[The]]~~ A device according to claim 9,
~~including further comprising parts~~ determination means for determining parts of the ~~[[data,~~
wherein:]] document

~~the determination means is adapted to determine least two quantities~~
~~relating to each of the parts,~~

~~content wherein said~~ estimation means ~~is adapted to estimate content of~~
estimates value amounts of the presence of text, image, and graphics zones in each of the
parts of the document, ~~taking into account each quantity relating to the part,~~ and

 ~~the pilot wherein said~~ configuration determination means is adapted to take
into account ~~content~~ the value amounts of the estimated presence of text, image, and
graphics zones in each of the ~~[[part]]~~ parts of the document in order to determine the
configuration of the pilot of the input/output means intended to implement the document
processing on ~~the part~~ each of the parts of the document.

Claim 20 (previously presented): A printer having a device according to
claim 1.

Claim 21 (previously presented): A facsimile machine, having a device
according to claim 1.

Claim 22 (previously presented): A modulator-demodulator, having a device according to claim 1.

Claim 23 (previously presented): A display screen, having a device according to claim 1.

Claim 24 (previously presented): A photographic apparatus, having a device according to claim 1.

Claim 25 (previously presented): A camera having an image sensor, including a device according to claim 1.

Claim 26 (currently amended): A method of determining conditions for processing to be ~~carried out~~ performed on ~~[[data]]~~ a document in a file, by at least one input/output means which modulates a physical quantity, comprising:

~~[[a]]~~ an analyzing step~~[[,]]~~ of determining analyzing content of the ~~data document~~ in the file to determine values for characteristics of a list of characteristics of the document, wherein the determined values comprise at least a proportion of text, a proportion of image, and a proportion of graphics zones in the document; and

a pilot configuration determination step of, without modifying the document, taking into account the values for the characteristics of the list of characteristics of the document to determine a ~~determining the~~ configuration of ~~[[the]]~~ a pilot of the

input/output means designated to implement the document processing, ~~which, without~~
~~modifying the data takes into account the content of the data in the file.~~

Claim 27 (currently amended): ~~[[The]]~~ A method according to claim 26,
wherein;

the document processing is ~~carried out~~ performed by at least two
input/output means~~[[,]]~~; and

the ~~pilot~~ configuration determination step includes a step of selecting
~~[[of]]~~ the input/output means intended to ~~implement~~ perform the document processing.

Claim 28 (currently amended): ~~[[The]]~~ A method according to claim 26,
including further comprising:

an operation dialogue step, of dialoguing with a user during which
questions are transmitted to the user and information is received from the user in
response~~[[,]]~~; and

an addition step, of adding the information, received in response to
the transmitted questions from the user, to the values for the characteristics of the list of
characteristics in such a manner that said configuration determination step takes into
account the added information received in response to the transmitted questions from the
user ~~wherein the pilot configuration determination step also includes taking into account~~
~~the information received in response from the user in order to determine the pilot~~
configuration.

Claim 29 (currently amended): [[The]] A method according to claim 28, including further comprising a storage step, of storing the added information received in [[a]] response to the transmitted questions from the user.

Claim 30 (currently amended): [[The]] A method according to claim 29, wherein said storage step also includes associating, with each item of the added information received in response to the transmitted questions from the user, an item of information representing identifying the user who supplied [[it]] each item of the added information.

D1
Claim 31 (currently amended): [[The]] A method according to claim 29, wherein said storage step also includes associating, with each item of the added information received in response to the transmitted questions from the user, an item of information representing a concerned the document.

Claim 32 (currently amended): [[The]] A method according to claim 26, including further comprising a pilot updating step, which includes ~~during which:~~

~~on the one hand~~ detecting that [[a]] the pilot configuration of the input/output means, intended to implement perform the document processing, is not available or is not up to date in a memory, and

~~on the other hand, reading the pilot configuration is read~~ in another memory when the pilot configuration of the input/output means, intended to perform the document processing, is either not available or is not up to date in the memory.

Claim 33 (currently amended): ~~[[The]]~~ A method according to claim 26, including further comprising:

a checking step of checking availability of the input/output means during which an item of information, identifying that ~~representing unavailability for the document processing of the data is transmitted~~ is not available, is transmitted when the input/output means, intended to process said data perform the document processing, is not available for this purpose~~[[; and]]~~.


wherein, during the determining said configuration determination step, ~~taking~~ takes into account the ~~unavailability~~ information regarding the unavailability of document processing in the input/output means in order to determine ~~[[the]]~~ a configuration of another input/output means able to implement the document processing of the data.

Claim 34 (currently amended): A method ~~according to claim 26, wherein at least two quantities related to the data are taken into account during the step of determining the contents of the data~~ for determining conditions for processing a document in a file by at least one input/output means which uses a physical quantity, said method comprising:

an estimating step of estimating value amounts of the presence of text, image, and graphics zones in the document; and

a configuration determination step of, during which the value amounts of the estimated presence of text, image, and graphics zone in the document are taken into consideration, determining a configuration of a pilot of the input/output means intended to perform the document processing.

Claims 35-38 (canceled)

 Claim 39 (currently amended): ~~[[The]]~~ A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein one of the quantities represents a number of pages in ~~[[a]]~~ the document ~~represented by the data.~~

Claim 40 (currently amended): A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein one of the quantities represents a number of digital information items in the ~~[[data]]~~ document.

Claim 41 (canceled)

Claim 42 (currently amended): ~~[[The]]~~ A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein one of the quantities represents a degree of compression to be obtained on the ~~[[data]]~~ document by using a predetermined compression software.

DI
Claim 43 (currently amended): ~~[[The]]~~ A method according to claim 34, further including a quantity determination step, of determining at least two quantities related to the document in the file, wherein one of the quantities represents a period of time necessary for ~~compression of the data~~ compressing the document~~[[,]]~~ by a predetermined compression software.

Claim 44 (currently amended): ~~[[The]]~~ A method according to claim 26, including further comprising a step of printing the ~~[[data]]~~ document.

Claim 45 (currently amended): ~~[[The]]~~ A method according to claim 26, including further comprising a step of compressing the ~~[[data]]~~ document ~~representing the data~~.

Claim 46 (currently amended): ~~[[The]]~~ A method according to claim ~~[[26]]~~ 34, including further comprising a part determination step of determining parts of the ~~[[data]]~~ document and, for each of the parts of the document, performing:

~~a step of determining at least two quantities related to the part;~~

~~[[a]] wherein said estimating step estimating content of the part estimates
value amounts of the estimated presence of text, image, and graphic zones in each of the
parts of the document, taking into account each quantity related to the part, and~~

~~[[a]] wherein said configuration determination step of, during which the
content of the part is taken taking into account the value amounts of the estimated presence
of text, image, and graphics zones in each of the parts of the document, determining
determines the configuration of the pilot of the input/output means intended to implement
perform the document processing on the part each of the parts of the document.~~

DI Claim 47 (currently amended): [[The]] A method according to claim 46,
wherein during [[the]] said part determination step, pages of the [[data]] document are
determined.


Claims 48 and 49 (canceled)

Claim 50 (new): A device according to claim 9, further comprising quantity
determination means for determining at least two quantities related to the document in the
file, wherein said quantity determination means is adapted to scrutinize data from the
document which are directly accessible to a user.

Claim 51 (new): A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein said quantity determination means is adapted to function without using a software application capable of modifying the content of the document.

Claim 52 (new): A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein said quantity determination means is adapted to read at least one quantity in a file.

Claim 53 (new): A device according to claim 9, wherein:

the document processing is able to be performed by at least two input/output means; and

said configuration determination means is adapted to select an input/output means able to perform the document processing.

Claim 54 (new): A device according to claim 9, further comprising quantity determination means for determining at least two quantities related to the document in the file, wherein one of the quantities is a time period to open the document by a software application capable of modifying the content of the document.

Claim 55 (new): A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein said quantity determination step includes a scrutinizing step, of scrutinizing data from the document which are directly accessible to a user.

Claim 56 (new): A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein said quantity determination step can be performed without having to use a software application capable of modifying the content of the document.

Claim 57 (new): A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein said quantity determination step includes a reading step, of reading at least one quantity in a file.

Claim 58 (new): A method according to claim 34, wherein:
the document processing is able to be performed by at least two input-output means; and
said configuration determination step includes a selection step of selecting an input/output means able to perform the document processing.

Claim 59 (new): A method according to claim 34, further including a quantity determination step of determining at least two quantities related to the document in the file, wherein, during said quantity determination step, one of the quantities represents a time period to open the document by a software application capable of modifying the contents of the document.

D1